

FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION
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Sheet 1 of 3

ATTORNEY DOCKET NO.

SERIAL NO.

8564-000045/US/DVA

DIVISIONAL OF
09/683,004

APPLICANT

William E. RUSSELL II, et al.

FILING DATE

GROUP

June 30, 2003

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U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
	RP	Hamida, S. Ben et al. "The need for improving the exploration operators for constrained optimization problems." Proc. Of the 2000 Congress on Evolutionary Computation, San Diego, USA, 1989.
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		Schoenauer, Marc et al. "Evolutionary Computation at the Edge of Feasibility." Proc. 4 th Conf. Parallel Problems Solving from Nature, W. Ebeling and H.-M. Voigt (eds.), Springer-Verlag, pp. 573-580, 1996.
		Bäck, Thomas et al. "A Survey of Evolution Strategies." Proc. 4 th Intl. Conf. Genetic Algorithms, R.K. Belew and L.B. Booker (eds.), Morgan Kaufman, pp. 2-9, 1991.
		Joines, Jeffrey A. et al. "On the Use of Non-Stationary Penalty Functions to Solve Nonlinear Constrained Optimization Problems with GA's." Proc. 1 st IEEE Intl. Conf. Evolutionary Computation, D.B. Fogel (ed.) IEEE Press, pp. 579-584, 1994.
		Eiben, A. E. et al. "SAW-ing EAs: adapting the fitness function for solving constrained problems." <u>New Ideas in Optimization</u> . McGraw-Hill, London, D. Corne, M. Dorigo, F. Glover (eds.), pp. 389-402, 1999.
		Coit, David W. et al. "Adaptive Penalty Methods for Genetic Optimization of Constrained Combinatorial Problems." <u>INFORMS Journal on Computing</u> , 8(2): 173-182, 1996.
		Moorc, Brian R. et al. "FORMOSA-B: A BOILING WATER REACTOR IN-CORE FUEL MANAGEMENT OPTIMIZATION PACKAGE." <u>Nuclear Technology</u> , Vol. 126, pp. 153-169, May 1999.
		Karve, A.A. et al. "FORMOSA-B: A Boiling Water Reactor In-Core Fuel Management Optimization Package II," <u>Nucl. Technol.</u> , 131, 48-68 (2000).
		Hadj-Alouanc, A.B. et al. "A Genetic Algorithm for the Multiple-Choice Integer Program." <u>Operations Research</u> , 45 (1), pp. 92-101, 1997.
	RP	Homaifar, A. et al. "Constrained Optimization via Genetic Algorithms" <u>Simulation</u> 62 (4), pp. 242-254, 1994.

Examiner:

RP
K. Labric

Date Considered:

3/4/04

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPÉP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet 2 of 3

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PATENT DOCUMENTS

f. sig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
	RP	5636328	06/03/1997	Kautz et al.		
		6031984	02/29/2000	Walser		
		5267346	11/30/1993	Maruyama et al.		
		5530867	06/25/1996	Beran		
		5855009	12/29/1998	Garcia et al.		
		5940816	08/17/1999	Fuhrer et al.		
	RP	6272483	08/07/2001	Joslin et al.		

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f. sig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

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Examiner:

R. Palabrica

Date Considered:

3/4/04

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Sheet 3 of 3

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U.S. PATENT DOCUMENTS

ef. esig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
	RP	6345240	02/2002	HAVENS		
	RP	6311313	10/2001	CAMPORESE ET AL.		

FOREIGN PATENT DOCUMENTS

ef. esig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

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	RP	CRC Handbook of Mathematical Sciences, 5 th Edition, William H. Beyer, CRC Press, 1985.
	RP	Karve et al. "Effectiveness of BWR Control Rod Pattern Sampling Capability in the Incore Fuel Management Code FORMOSA-B", M&C'99, September 1999, Madrid Spain, pages 1459-1468.

Examiner:

R. Albin

Date Considered:

3/4/04

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RP	4,330,367	05/1982	MUSICK			
	4,459,259	07/1984	COLLEY			
	4,552,718	11/1985	IMPINK			
	4,853,175	08/1989	BOOK, Sr.			
	4,997,617	03/1991	NEWTON et al.			
	5,023,045	06/1991	WATANABE et al.			
	5,091,139	02/1992	CHAO et al.			
	5,171,516	12/1992	IWAMOTO			
	5,272,736	12/1993	WOLTERS, Jr. et al.			
	5,309,485	05/1994	CHAO			
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	5,438,527	08/1995	FELDBAUMER et al.			
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	5,793,636	08/1998	COONEY et al.			
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	5,009,833	04/1991	TAKEUCHI et al.			

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DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
0 786 782 A1	7/1997	EUROPEAN			
0 823 712 A1	2/1998	EUROPEAN			
198 45 988	4/1999	GERMANY			X
44 16 463	11/1994	GERMANY			X

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

PATENT ABSTRACTS OF JAPAN, 04132995, publication date 5/7/1992; Shiratori Yoshitake, "Expert System Supporting Preparation of Planning for Fuel Replacement"

*Examiner

Date Considered

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Form PTO-FB-A820 (Also PTO-1349)

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